

04CD 04-18-01

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/811,094

DATE: 04/05/2001
TIME: 12:07:58

Input Set : A:\420d4.app.txt
Output Set: N:\CRF3\04052001\I811094.raw

4 <110> APPLICANT: Anderson, Christen M.
5 Davis, Robert E.
6 Clevenger, William
7 Wiley, Sandra Eileen
8 Willer, Scott W.
9 Szabo, Tomas R.
10 Ghosh, Soumitra S.
11 Moos, Walter H.
12 Pei, Yazhong
14 <120> TITLE OF INVENTION: PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),
15 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR
17 <130> FILE REFERENCE: 660088.420D4
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/811,094
20 <141> CURRENT FILING DATE: 2001-03-14
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 894
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
31 <400> SEQUENCE: 1
32 atgggtgatc acgttggag cttccctaaag gacttcctgg ccggggcggt cgccgcgtgcc 60
33 gtctccaaga ccgcgggtcgccc catcgag agggtaaac tgctgctgca ggtccagcat 120
34 gccagcaaac agatcagtgc tgagaaggac tacaaaggga tcatttatttg tgggtgaga 180
35 atccctaagg agcagggtttt ccttccttc tggaggggtt acctggccaa cgtgatccgt 240
36 taattccccca cccaaatctt caacttcgccc ttcaaggaca agtacaagca gcttttctta 300
37 gggggtgtgg atcggataaa gcagttctgg cgctactttt ctggtaacct ggcgtccgg 360
38 gggggccgtg gggccacccctt cctttgtttt gtctaccgc tggactttgc taggaccagg 420
39 ttggctgtg atgtggccag ggcgcggccag cgtgaggtttcc atggctctgg cgaactgtatc 480
40 atcaagatct tcaagtctga tggctgttgg gggctctacc agggtttcaa cgtctctgtc 540
41 caaggcatca ttatctataag agctgcctac ttccggatct atgataactgc caaggggatg 600
42 ctgcctgacc ccaagaacgt gcacatttt gtgagctgaa tgatttccca gagtgtgacg 660
43 gcagtcgcag ggctgtgtc ctaccctttt gacactgttc gtcgttagaat gatgtgcacg 720
44 tcggccggaa aaggggccga tattatgtac acggggacag ttgactgtg gaggaagatt 780
45 gcaaaagacg aaggagccaa ggccttcttc aaagggtgcct ggtccaatgt gctgagaggc 840
46 atggggcggtt cttttgtatt ggtgtgtat gatgagatca aaaaatatgt cttaa 894
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 897
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapien
53 <400> SEQUENCE: 2
54 atgacagatgcgcattgtc ttgcgttccaa gacttcctgg caggtggagt ggccgcagcc 60
55 atctccaaga ccgcgggttgc gcccattcgag cgggtcaagc tgctgctgca ggtgcagcat 120
56 gccagcaagc agatcactgc agataagcaa tacaaaggca ttatagactg cgtggccgt 180
57 attcccaagg agcaggaatgt tctgtccctt tggcgccgtt acctggccaa tgcgtatcaga 240
58 tacttccccca cccaggcttcaacttcgccc ttcaaggata aatacaagca gatcttctgt 300
59 ggtgggtgtgg acaagagaac ccagttttgg cgctactttt cagggaaatctt ggcattccgg 360

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| | | |
|-----|---|-----|
| 60 | ggtgccgcag gggccacatc cctgtgttt gtgtaccctc ttgattttgc ccgtaccgt | 420 |
| 61 | ctagcagctg atgtggtaa agctggagct gaaaggaaat tccgaggcct cggtactgc | 480 |
| 62 | ctggtaaga tctacaatac tgatggatt aagggcctgt accaaggctt taacgtgtct | 540 |
| 63 | gtgcagggtttaatcatcta ccgagccgcc tacttcggta tctatgacac tgcaaaggga | 600 |
| 64 | atgcttcggg atcccaagaa cactcacatc gtcacatcgat ggatgatcgc acagactgtc | 660 |
| 65 | actgctgttgc cgggttgc ttcatatcca tttgacaccg ttcgcgcgc catgatgatg | 720 |
| 66 | cagtcaaggc gcaaaggaaat gacatcatg tacacaggca cgcttgcactg ctggcggaaag | 780 |
| 67 | attgctcgatg atgaaggagg caaagttt ttcaagggtt catggccaa tttctcaga | 840 |
| 68 | ggcatgggttgc gtcgtttgt gcttgcattt tatgtgaaa tcaagaagta cacataa | 897 |
| 70 | <210> SEQ ID NO: 3 | |
| 71 | <211> LENGTH: 897 | |
| 72 | <212> TYPE: DNA | |
| 73 | <213> ORGANISM: Homo sapien | |
| 75 | <400> SEQUENCE: 3 | |
| 76 | atgacggAAC aggccatctc cttcgccaaa gacttcttgg ccggaggcat cggccgcgc | 60 |
| 77 | atctccaaga cggccgtggc tccgatcgag cgggtcaagc tgctgtgc ggtccagcac | 120 |
| 78 | gcacgcaagc agatcgccgc cgacaaagcag tacaaggca tcgtgactg cattgtccgc | 180 |
| 79 | atcccccaagg agcaggcggt gctgtcattt tggagggca accttgcac cgtcattcgc | 240 |
| 80 | tacttccccca ctcaaggccct cacttcgc ttcaaggata agtacaagca gatcttcctg | 300 |
| 81 | gggggcgtgg acaagcacac gcacgttctgg aggtacttgc cggcaacct ggcctccggc | 360 |
| 82 | gttgcggccgc ggcgcacatc cctctgttgc ttgtaccgc tggatccgc cagaacccgc | 420 |
| 83 | ctggcagcgg acgtggaaaa gtcaggcaca gagcgcgatg tccgaggcct gggagactgc | 480 |
| 84 | ctgggtgaaga tcaccaatgc cgacggcata cggggcctgt accaggcctt cagtgtctcc | 540 |
| 85 | gtgcaggcgc tcatcatcta ccggcggcc tacttcggcg tttacatc ggcacaggc | 600 |
| 86 | atgtcccccg accccaagaa caccacatc gtggtagactt ggtatgcgc gcaagaccgtg | 660 |
| 87 | acggccgtgg ccggcgtggt gtcctacccc ttgcacacgg tgcggcggc catgatgatg | 720 |
| 88 | cagtccggc gcaaaggagc tgacatcatg tacacggca ccgtgcactg ttggaggaag | 780 |
| 89 | atcttcagag atgagggggg caaggccatc ttcaagggtt cgtggccaa cgtcctgcgg | 840 |
| 90 | ggcatgggggg ggccttcgt gtcggctctg tacgacgagc tcaagaaggt gatctaa | 897 |
| 92 | <210> SEQ ID NO: 4 | |
| 93 | <211> LENGTH: 43 | |
| 94 | <212> TYPE: DNA | |
| 95 | <213> ORGANISM: Artificial Sequence | |
| 97 | <220> FEATURE: | |
| 98 | <223> OTHER INFORMATION: PCR Primer | |
| 100 | <400> SEQUENCE: 4 | |
| 101 | ttatatctcg agtatgggtt atcacgtttt gagcttcata aag | 43 |
| 103 | <210> SEQ ID NO: 5 | |
| 104 | <211> LENGTH: 43 | |
| 105 | <212> TYPE: DNA | |
| 106 | <213> ORGANISM: Artificial Sequence | |
| 108 | <220> FEATURE: | |
| 109 | <223> OTHER INFORMATION: PCR Primer | |
| 111 | <400> SEQUENCE: 5 | |
| 112 | tatataggta ctttagacat attttttgtat ctcatac aac | 43 |
| 114 | <210> SEQ ID NO: 6 | |
| 115 | <211> LENGTH: 43 | |
| 116 | <212> TYPE: DNA | |
| 117 | <213> ORGANISM: Artificial Sequence | |

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119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 6
123 ttatatctcg agtatgacag atgcgcgtgt gtccttcgcc aag 43
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 7
134 tatataggta ccttatgtgt acttcttgat ttcatcatac aag 43
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 43
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR Primer
144 <400> SEQUENCE: 8
145 ttatatctcg agtatgacgg aacaggccat ctcccttcgcc aaa 43
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR Primer
155 <400> SEQUENCE: 9
156 tatataggta ccttagagtc accttcttga gctcgtcgta cagg 44
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Sequence primer
166 <400> SEQUENCE: 10
167 tatGCCATAG CATTTTTATC C 21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Sequence primer
177 <400> SEQUENCE: 11
178 CGCCAAAACA GCCAAGCT 18
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 45
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:

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Input Set : A:\420d4.app.txt
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186 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
188 <400> SEQUENCE: 12
189 ggagatggcc tggatcgta tcttatcgac atcgtcgat agatc 45
191 <210> SEQ ID NO: 13
192 <211> LENGTH: 45
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
199 <400> SEQUENCE: 13
200 gatctgtacg acgatgacga taagatgacg gaacaggcca tctcc 45
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: PCR primer
210 <400> SEQUENCE: 14
211 cccggggaaat tctgtatgacg gaacaggcca tctcc 35
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
222 cccggggctcg agttagatgc accttcttga gtc 34
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 41
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR primer
232 <400> SEQUENCE: 16
233 ttataggatc catgacggaa caggccatct cttcgccaa a 41
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 41
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PCR primer
243 <400> SEQUENCE: 17
244 ttaaaagaattt cttagatcac cttcttgagc tcgtcgatca g 41
246 <210> SEQ ID NO: 18
247 <211> LENGTH: 18
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing primer

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Input Set : A:\420d4.app.txt
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254 <400> SEQUENCE: 18
255 aaatgataac catctcgc 18
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 18
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Sequencing primer
265 <400> SEQUENCE: 19
266 acttcaagga gaatttcc 18
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequencing primer
276 <400> SEQUENCE: 20
277 acttcgcctt cacggata 18
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequencing primer
287 <400> SEQUENCE: 21
288 tacggccaag ggcattct 18
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 18
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Sequencing primer
298 <400> SEQUENCE: 22
299 tgaaggcgaa gttcctat 18
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 18
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Sequencing primer
309 <400> SEQUENCE: 23
310 atgccgggttc ccgtacga 18
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
320 <400> SEQUENCE: 24

VERIFICATION SUMMARY DATE: 04/05/2001
PATENT APPLICATION: US/09/811,094 TIME: 12:07:59

Input Set : A:\420d4.app.txt
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L:19 M:270 C: Current Application Number differs, Wrong Format